

YaST : Looking ahead

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Novell.



Agenda

- **Where are we?** (8 min.)
- **Challenges & Future Work** (12 min.)
- **Demo** (15 min.)

YaST, where are we?



Complete





openSUSE 11.1

Preparation

- ✓ Welcome
- ✓ System Analysis
- ✓ Time Zone
- ✓ Desktop Selection
- ✓ Disk
- ✓ User Settings

Installation


- ✓ Installation Overview
- ▶ **Perform Installation**

Configuration

- Automatic Configuration

Perform Installation

Slide Show Details Release Notes



openSUSE.org

openSUSE is a community project created and sponsored by Novell to deliver the world's most user-friendly computing platform. Many people from around the world contribute to the openSUSE Project by packaging software, testing programs, writing documentation, and translating components into dozens of languages. All of that work is available for free in the openSUSE Linux distribution available at www.opensuse.org.

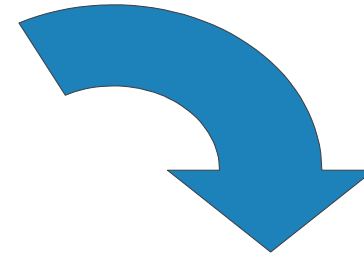
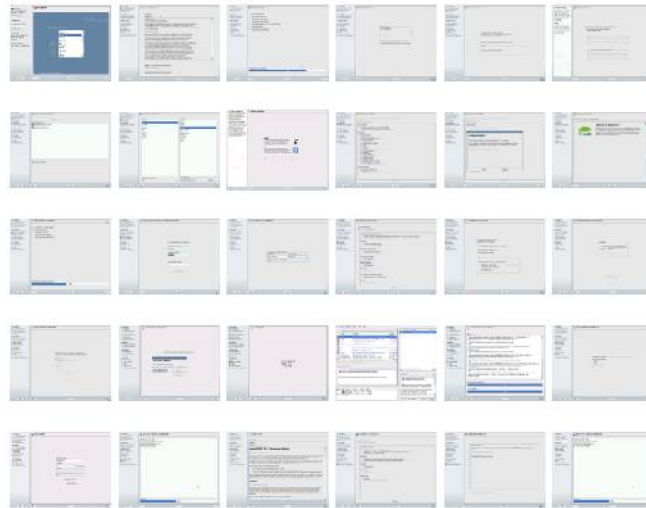
Visit www.opensuse.org/How_to_Participate to learn how you can join the openSUSE community.

Preparing disks...

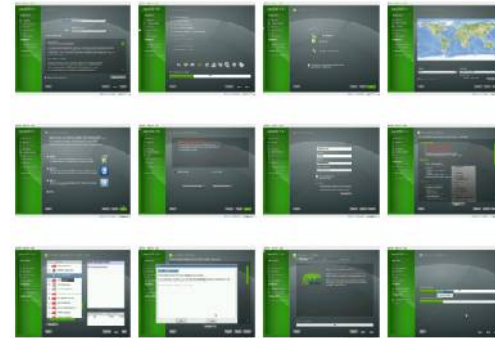
13%

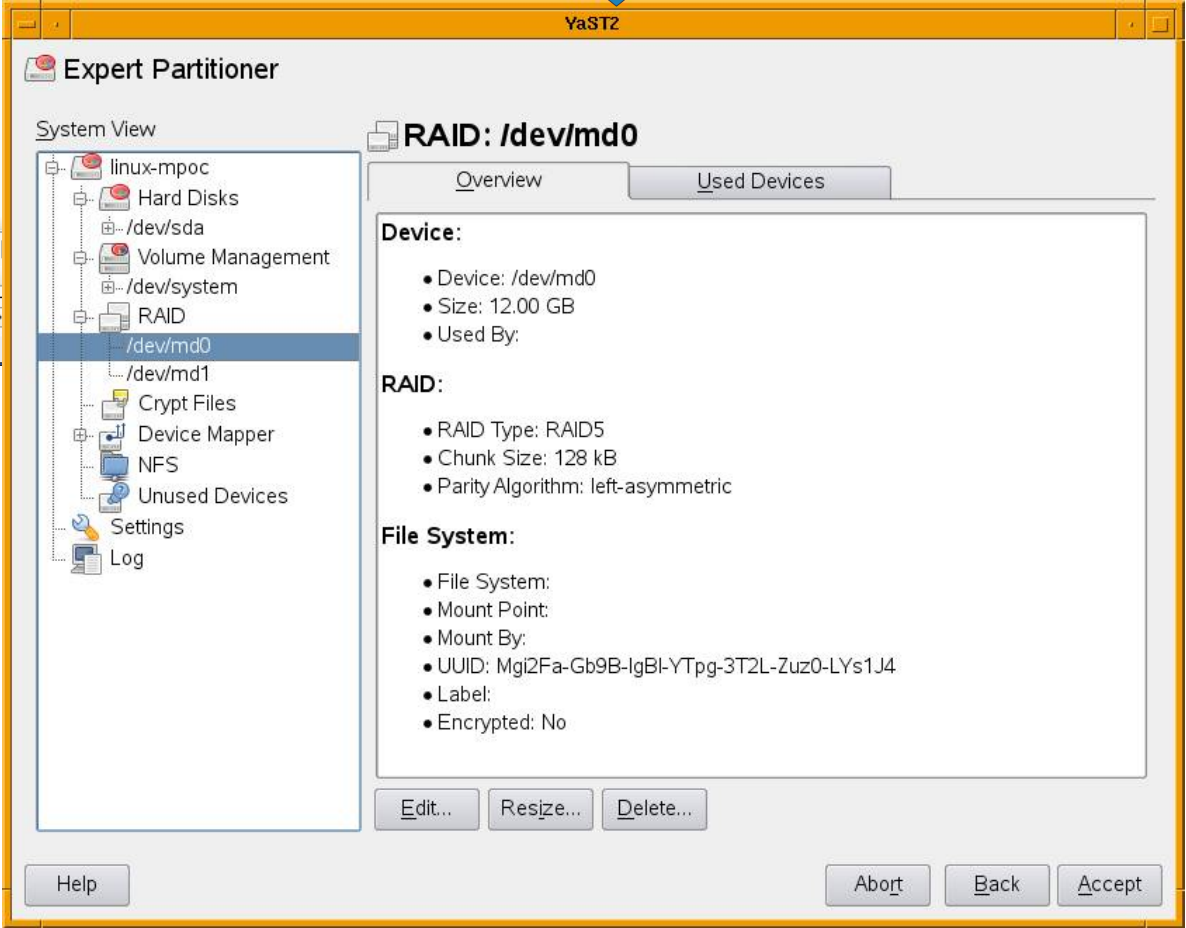
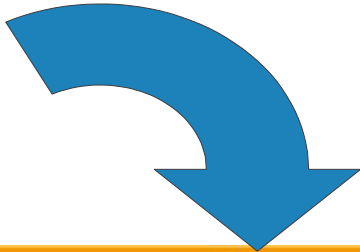
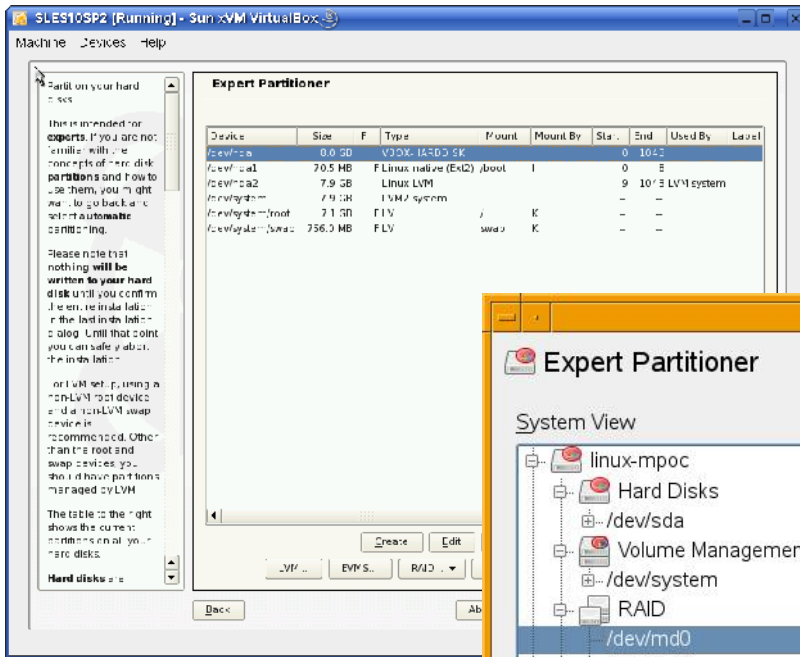
Help Abort Back Next

Prettier



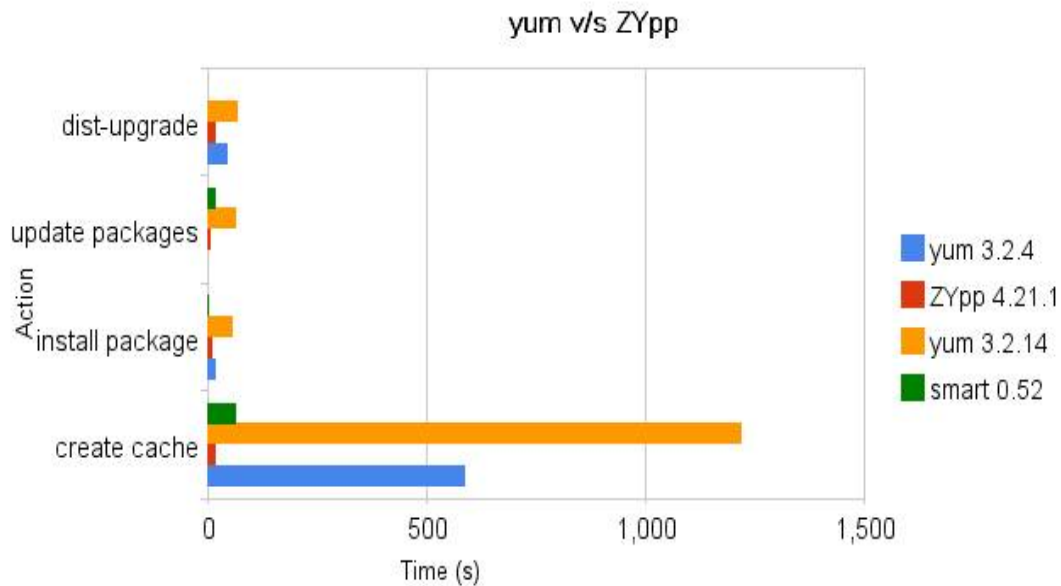
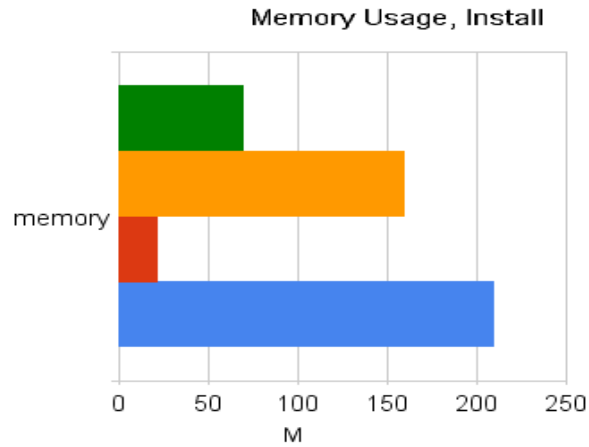
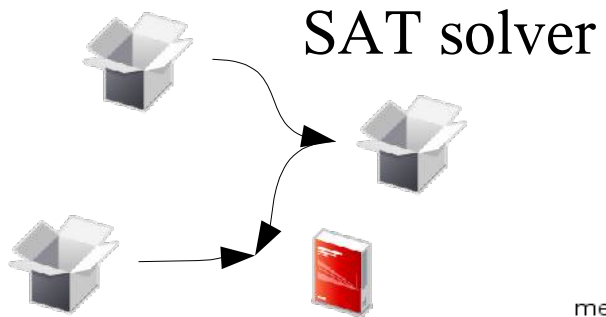
Simpler





Simpler

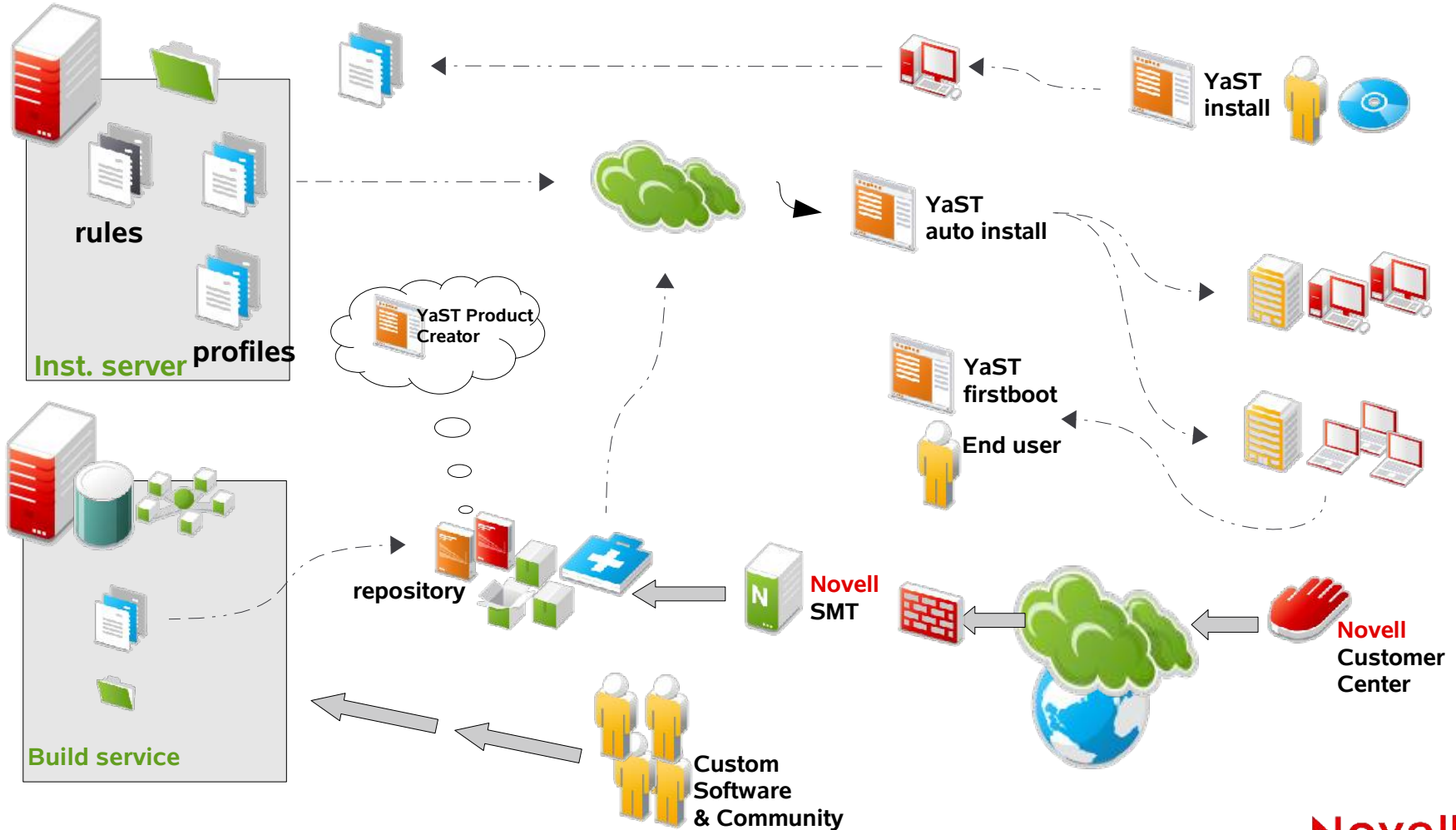
Fast





YaST

Integrated



Challenges & Future work...

Challenges...

- Leverage new base infrastructure
- Community
- Distributions

Package History



- Infrastructure since 11.1
- **Missing:**
 - Viewer
 - Undo?
 - Feed solver: **System Cleanup?**

```
2008-11-03 13:55:56|remove|desktop-data-openSUSE|11.1-34.1|noarch|
2008-11-03 13:55:58|remove|yast2-branding-openSUSE|2.17.0-8.3|noarch|
2008-11-03 13:56:03|install|AdobeICCPProfiles|2.0-65.2|noarch||repo-non-oss|14a8d20f0375e54d6e1a73cde64b2e29114d336f
# 2008-11-03 13:56:05 flash-player-9.0.124.0-1.4.i586.rpm installed ok
# Additional rpm output:
# NPP_GetValue()
# NPP_GetValue()
#
2008-11-03 13:56:05|install|flash-player|9.0.124.0-1.4|i586||repo-non-oss|ffe4813716fee1b0b9519537bc79260a99f5403d
```

Partitioner

- Leverage and refine redesign
- Some new features

Expert Partitioner

System View

- pleczka
 - Hard Disks
 - RAID
 - Volume Management
 - Crypt Files
 - Device Mapper
 - NFS
 - Unused Devices
 - Installation Summary
 - Settings
 - Log

Available Storage on pleczka

Device	Size	F	Type	FS Type	Label	Mount Point	Mount
/dev/sda2	10.00 GB		Linux LVM				
/dev/sda3	10.00 GB		Linux LVM				
/dev/sda4	445.23 GB		Linux native	Ext3			
/dev/sdb	186.31 GB		ST3200826AS				
/dev/sdb1	517.72 MB		Linux swap	Swap	swap		ID
/dev/sdb2	185.80 GB		Extended				
/dev/sdb5	2.01 GB		Linux swap	Swap	swap		ID
/dev/sdb6	20.00 GB		Linux RAID	Ext3			
/dev/sdb7	20.00 GB		Linux native	Ext3	/		ID
/dev/sdb8	20.00 GB		Linux RAID	Ext3			
/dev/sdb9	20.00 GB		Linux native	Ext3			
/dev/sdb10	103.79 GB		Linux native	Ext3			
/dev/md0	40.00 GB	F	MD RAID	Ext3			
/dev/indiani	10.00 GB		LVM2 indiani				
/dev/indiani/apaci	2.50 GB		LV	Reiser			
/dev/zanzibar	10.00 GB		LVM2 zanzibar				
/dev/zanzibar/jzkovyvoci	2.50 GB		LV	Reiser			
cml.suse.cz:/cml	1.88 TB		NFS	NFS	/mnt		Kernel

Help

Abort

Next

Community?



Lower the barrier...

... for everyone




```
KDE:KDE4:Factory:Desktop:STABLE:Backport  
devel:languages:ruby:extensions:...  
opensUSE_11.1_devel_languages_ruby
```

A close-up photograph of a man's face, showing him in a state of intense distress or pain. He has his hands pressed against his temples, his eyes are squeezed shut, and his mouth is wide open in a scream or shout. The lighting is dramatic, with strong highlights on his forehead and hands, and deep shadows elsewhere, emphasizing the intensity of his expression.

Complexity..

- <http://www.flickr.com/photos/darkpatator/395215642/>

Services

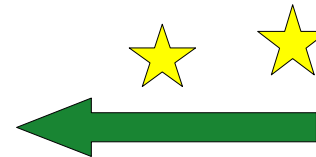


/services/john

X-SUSE-Distro: openSUSE_11.1



List of repos



<http://www.flickr.com/photos/j03/442655675/>

zypper dist-upgrade

Overall download size: 3412321.0 G.
After the operation you will be 8
years older.

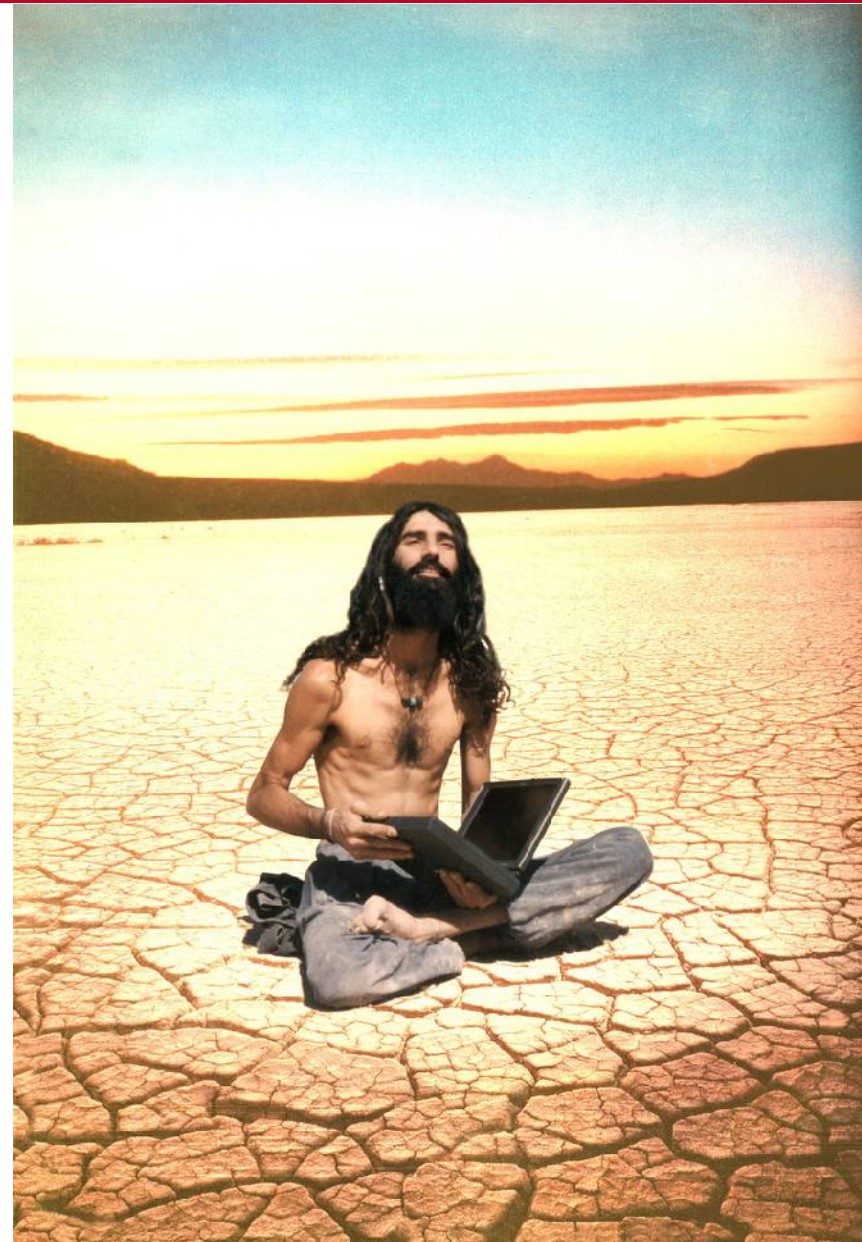
Continue? [YES/no]:

Not every user has reliable access to mirrors...

<http://aria2.sourceforge.net/>

<http://mirrorbrain.org/>

- Metalinks/Geo-mirrors
- Failover

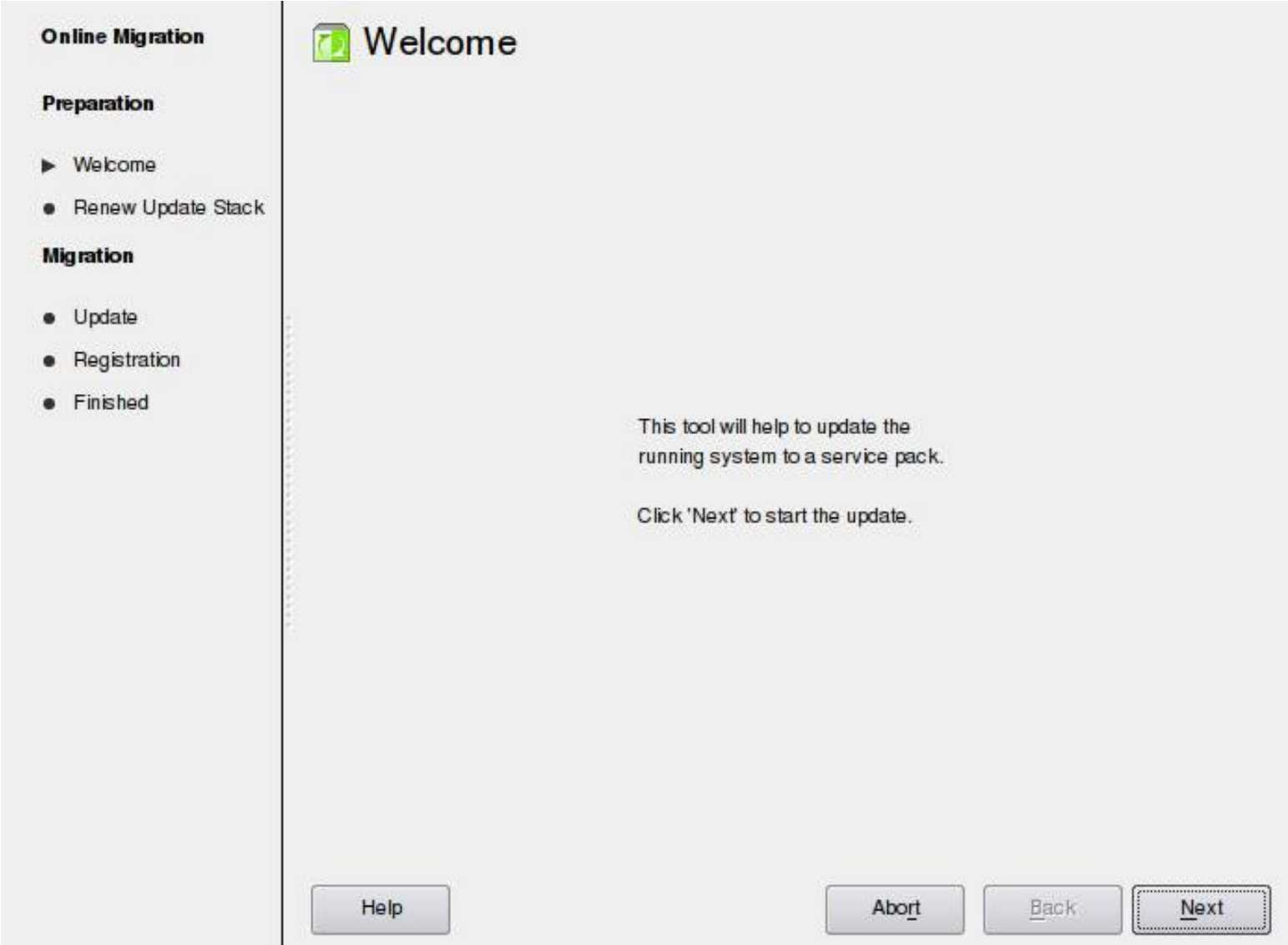


<http://www.flickr.com/photos/73553/184036171/>

Other areas to improve/leverage:

- Factory, less rebuilds pushed
 - Mostly done
- Factory, use of deltarpm?
 - We support deltas outside maintenance updates since 11.0
- Commit policy (download, install)

Wagon




Online Migration

Preparation

- ▶ Welcome
- Renew Update Stack

Migration

- Update
- Registration
- Finished

 **Welcome**

This tool will help to update the running system to a service pack.

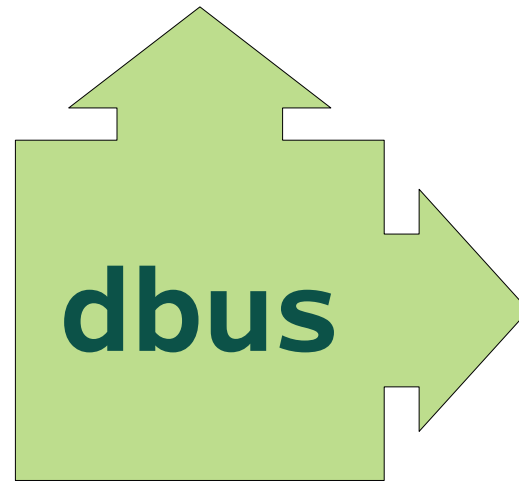
Click 'Next' to start the update.

[Help](#) [Abort](#) [Back](#) [Next](#)

YaST



PackageKit
...Kit?



“Share this
folder...”

YaST

- Storage
- Software Management



data center

<http://www.flickr.com/photos/pwz/2747433199/>

www.dmtf.org/standards/cim/

What do we have in common?...

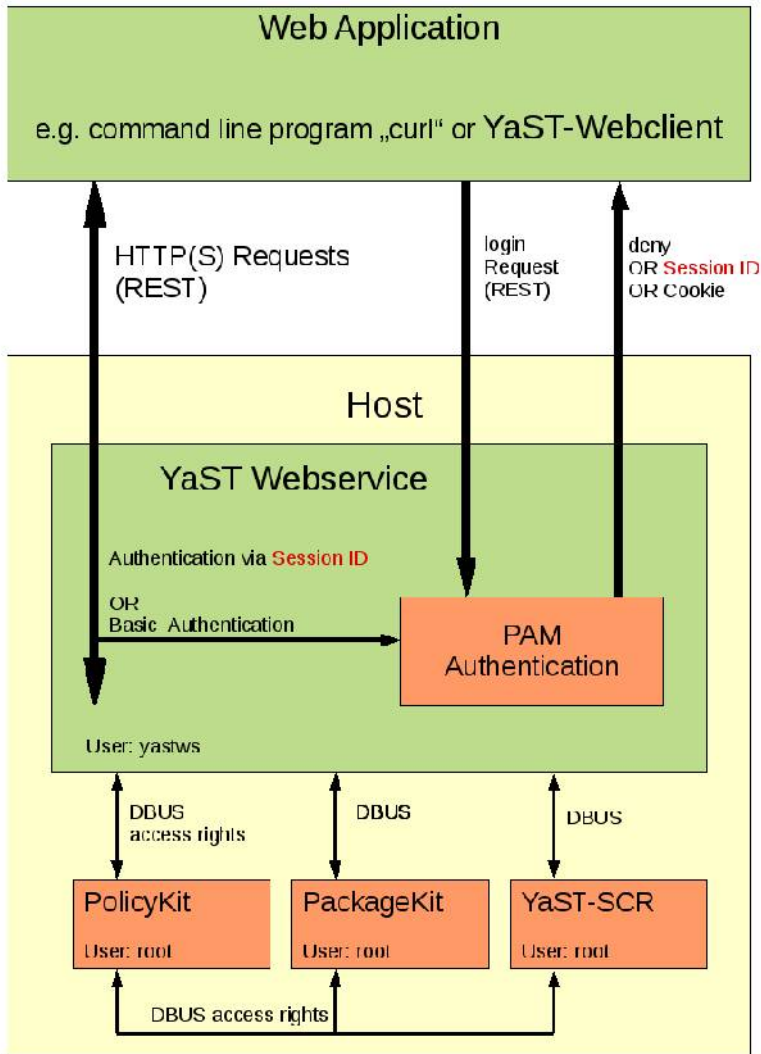
(hint) →



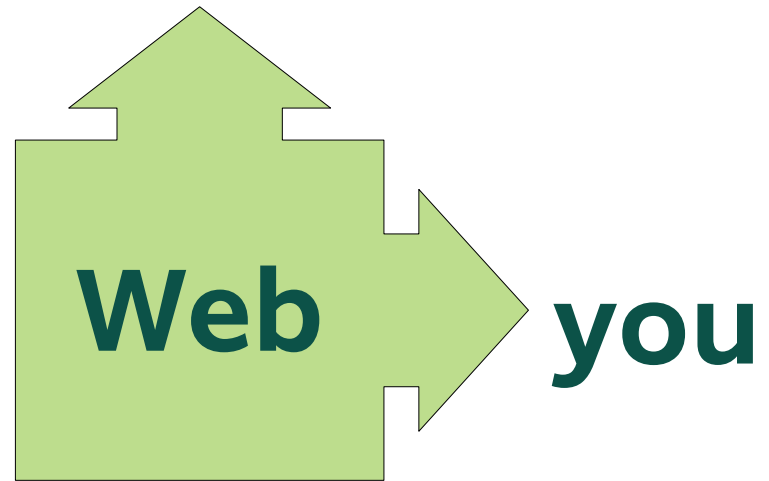
like lic under Attribution-NonCommercial-ShareAlike 2.0 Germany Ludwig Betcke | <https://flickr.com/photos/stabilo-boss/>

<http://www.flickr.com/photos/stabilo-boss/93136022/>

YaST Web



YaST



YaST Web-UI

Language Patches Permissions **Services** Systemtime Users

Session

- Choose host
- Logout

Connected Host

Name: 0.0.0.0:3001

User: schubi

Services

smbfs	cron	gpm	nfs
→ start	→ start	→ run	→ start
● stop	● stop	● stop	● stop
👁 status	👁 status	👁 status	👁 status
↻ force-reload	↻ try-restart	↻ restart	↻ reload
↻ reload	↻ restart		↻ force-reload
↻ restart	↻ force-reload		↻ restart
↻ reload	↻ reload		↻ try-restart
🔍 probe	🔍 probe		

sshd	random	avahi-daemon	apache2
→ start	→ start	→ start	→ run
● stop	● stop	● stop	● stop
👁 status	👁 status	👁 status	👁 status
↻ try-restart		↻ try-restart	↻ restart
↻ restart		↻ restart	
↻ force-reload		↻ force-reload	
↻ reload		↻ reload	
🔍 probe			

INFO

This is a sample web-UI for YaST-as-a-webservice.

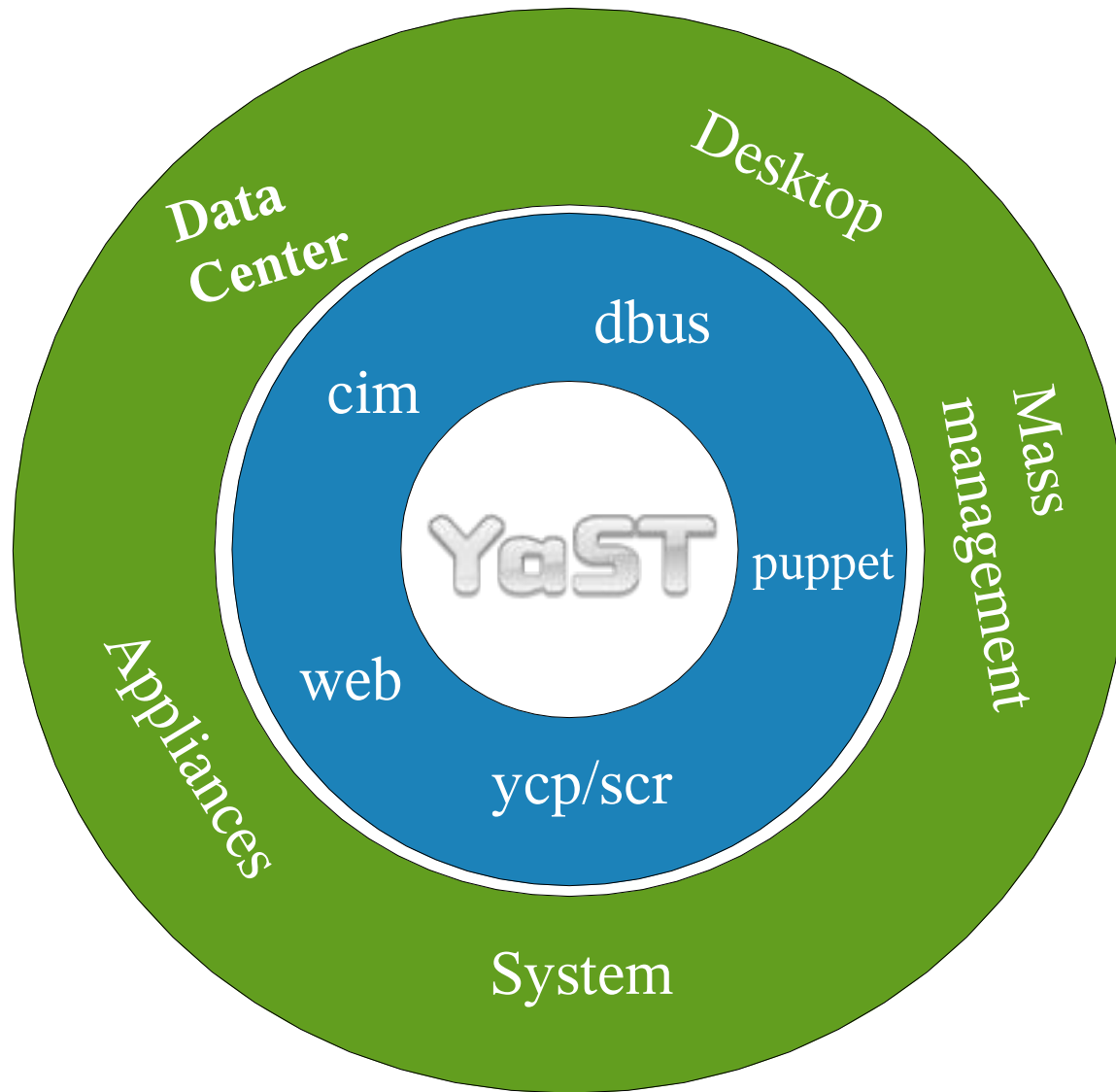


AUTHORS

- Stefan Schubert
- Klaus Kämpf
- D. Mac-Vicar Prett
- Others

LINKS

- About YaST
- About Rails
- About used CSS
- About used icons
- About PolicyKit



Help wanted!!

- Web skills
- Checkout the code in git.opensuse.org

Demo... “Managing with cURL”

Thanks a lot! Questions?
Dankeschön! Fragen?
Muchas gracias! Preguntas?

Join us!

yast-devel@opensuse.org

<http://opensuse.org/YaST>